

Manuals.plus /

› ONESPORT /

› ONESPORT OT16-2 Folding Electric Bike User Manual

## ONESPORT OT16-2

# ONESPORT OT16-2 Folding Electric Bike User Manual

Model: OT16-2

## 1. INTRODUCTION

Thank you for choosing the ONESPORT OT16-2 Folding Electric Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your new e-bike. Please read it thoroughly before your first ride and keep it for future reference.



The ONESPORT OT16-2 electric bike in action, highlighting its key performance features.

## 2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations for electric bikes. Perform a pre-ride inspection before each use, checking brakes, tires, and battery security.

- **Helmet Use:** Always wear a certified helmet.
- **Pre-Ride Check:** Inspect brakes, tire pressure, and all quick releases.
- **Battery Safety:** Do not expose the battery to extreme temperatures or puncture it. Use only the provided charger.
- **Weight Limit:** Do not exceed the maximum load capacity of 220 lbs (approximately 100 kg).
- **Weather Conditions:** Exercise caution when riding in wet conditions.

### 3. PACKAGE CONTENTS

Upon unboxing, ensure all components are present and undamaged. The package should include:

- ONESPORT OT16-2 Folding Electric Bike (partially assembled)
- 48V 17Ah Removable Lithium-ion Battery
- Battery Charger
- Tool Kit (for assembly)
- Pedals
- Reflectors (front, rear, wheel)
- User Manual
- Phone Holder (may vary by package)
- Bell



Overview of the ONESPORT OT16-2 features and included items.

### 4. SETUP AND ASSEMBLY

Your ONESPORT OT16-2 comes mostly assembled. Follow these steps to complete the setup:

#### 4.1 Unboxing and Initial Unfolding

Carefully remove the bike from its packaging. Unfold the main frame and secure the locking mechanisms. Adjust the handlebar post and seat post to your preferred height, ensuring they are securely locked.

Your browser does not support the video tag.

This video demonstrates the unboxing process and initial assembly steps, including unfolding the bike, adjusting the handlebar, and installing pedals.

#### 4.2 Installing Pedals

Identify the left (L) and right (R) pedals. The right pedal screws in clockwise, and the left pedal screws in counter-clockwise. Use the provided tool to tighten them securely.

### 4.3 Attaching Reflectors

Attach the front, rear, and wheel reflectors as per local regulations for visibility.

### 4.4 Seat Post Adjustment

Adjust the seat height so that your leg has a slight bend at the knee when the pedal is at its lowest point. Secure the quick-release lever firmly.

Visual guide for folding the electric bike for compact storage and transport.

## 5. OPERATING INSTRUCTIONS

Understand the various modes and controls to maximize your riding experience.

### 5.1 Powering On/Off

Insert the key into the battery lock and turn it to the 'ON' position. Press and hold the power button on the LCD display to turn the bike on or off.

### 5.2 Riding Modes

The OT16-2 offers four riding modes:

- **Bike Mode:** Ride like a traditional bicycle, using pedal power only.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. Adjust assistance levels (1-3) via the LCD display.
- **Electric Mode:** Use the throttle (if installed and legal in your region) for full electric power without pedaling.
- **Walk-Assist Mode:** Gently push the e-bike, and the motor will assist at a low speed (e.g., 6 km/h) for easy maneuvering.



Illustration of the four available riding modes for versatile use.

### 5.3 LCD Display

The intelligent LCD display shows real-time speed, battery power, pedal-assist levels, and mileage. Use the control buttons to navigate through settings and modes.



## Cambio a 7 Velocità Regolabile

Affronta qualsiasi terreno senza sforzo, regolando facilmente la giusta combinazione di marce per un'esperienza di guida più comoda e sicura.

Detailed view of the LCD display and handlebar controls.

### 5.4 Bluetooth APP Connectivity

Connect your e-bike to the dedicated mobile app via Bluetooth to monitor status (mileage, lights, speed, power) and even lock the bike from your phone.



The mobile app interface for controlling and monitoring your ONESPORT e-bike.

### 5.5 Gear Shifting

The 7-speed adjustable gear system allows you to adapt to various terrains. Use the shifter on the handlebars to change gears smoothly. Ensure you are pedaling lightly when shifting to prevent damage to the drivetrain.



## OT16-2 Bicicletta Elettrica per Adulti

Dimensioni Pieghevoli  
30.31" x 35.43"

Peso Della Bicicletta  
65.48 lbs

Capacità di Carico  
220 lbs

46.85inch (119CM)

65.35inch (166CM)

6'3"

5'3"

The 7-speed adjustable gear system for adapting to different terrains.

## 5.6 Braking System

The bike is equipped with dual disc brakes for reliable stopping power. Apply both front and rear brakes simultaneously for effective and safe deceleration. Avoid sudden, hard braking, especially at high speeds.



Dual disc brakes provide enhanced stopping power and safety.

## 5.7 Lights

The integrated front and rear lights ensure high visibility, especially during night rides or in low-light conditions. Always use lights when necessary.



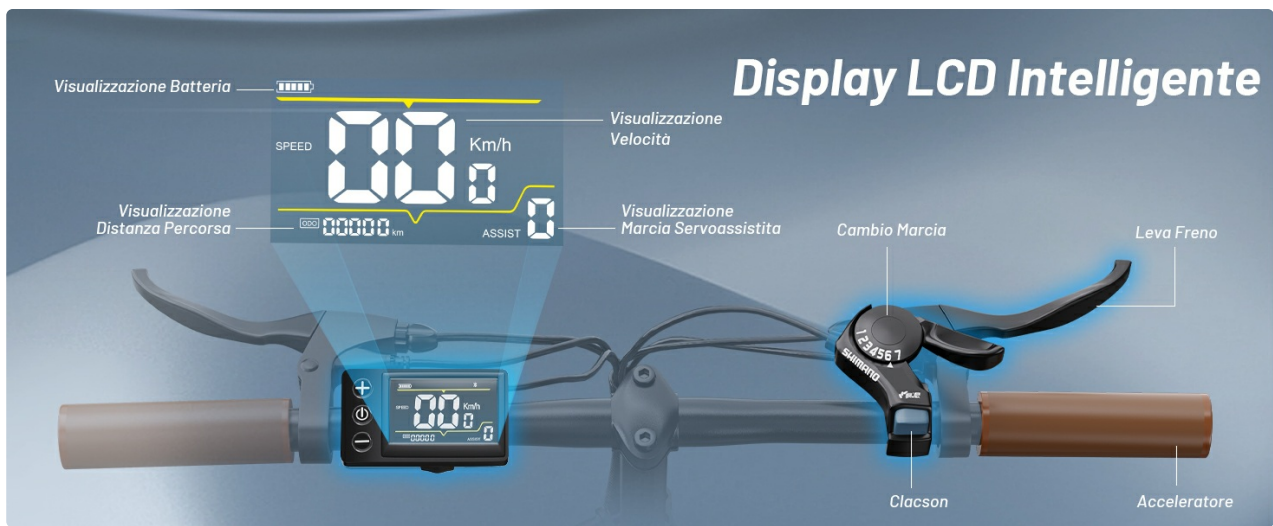
Front and rear lights for improved visibility and safety.

## 6. BATTERY INFORMATION

The ONESPORT OT16-2 is equipped with a powerful 48V 17Ah removable lithium-ion battery.

### 6.1 Charging the Battery

To charge, connect the charger to the battery port and then to a power outlet. The battery can be charged while installed on the bike or removed. A full charge typically takes 4-5 hours. The charger indicator light will change when fully charged.



The portable battery can be charged on or off the bike.

## 6.2 Battery Range

On a full charge, the bike offers up to 37 miles (60 km) in electric mode and up to 75 miles (120 km) in pedal-assist mode, depending on terrain, rider weight, and riding style.



Visual representation of the extended range capability of the ONESPORT OT16-2.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your e-bike.

- **Tire Pressure:** Maintain tire pressure at 2.8 bar (approximately 40 PSI) for optimal performance and safety.
- **Brake Inspection:** Regularly check brake pads for wear and ensure brake levers are responsive.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Fasteners:** Periodically check all bolts and fasteners for tightness.
- **Cleaning:** Clean your bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

## 8. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

Problem	Possible Cause	Solution
Bike does not power on	Battery off, low charge, or loose connection	Ensure battery key is in 'ON' position, charge battery, check connections.
Motor not assisting	PAS level too low, battery low, or sensor issue	Increase PAS level, charge battery, check for error codes on LCD.
Difficulty shifting gears	Cable tension, dirty chain, or derailleur misalignment	Adjust gear cable tension, clean and lubricate chain, consult a bike mechanic if needed.
Brakes feel weak	Worn pads, air in hydraulic system, or cable tension	Inspect brake pads, adjust cable tension, or have brakes serviced by a professional.

## 9. SPECIFICATIONS

Key technical specifications for the ONESPORT OT16-2 Folding Electric Bike:

- **Model:** OT16-2
- **Motor:** 250W Brushless Motor
- **Max Speed:** 15.5 MPH (25 km/h)
- **Battery:** 48V 17Ah Lithium-ion, Removable
- **Range:** Up to 37 miles (electric), up to 75 miles (pedal-assist)
- **Wheel Size:** 20 Inches
- **Tires:** 20" x 3.0
- **Gears:** 7-Speed
- **Brakes:** Dual Disc Brakes
- **Suspension:** Dual Suspension (Front Fork)
- **Frame Material:** Iron
- **Product Dimensions:** 165.1 x 55.88 x 121.92 cm (unfolded)
- **Weight:** 29.94 kg
- **Max Load Capacity:** 220 lbs (approx. 100 kg)
- **Features:** LCD Display, Bluetooth APP Connectivity, Integrated Lights



Detailed dimensions and specifications of the ONESPORT OT16-2.

## 9.1 Motor and Suspension Details




**250<sup>Peak</sup>W**  
**Motore Brushless**


Dotato di motore brushless, riduce il rumore, partenze più rapide e capacità di salita migliorata, fornisce una potenza superiore per la tua guida.

 Velocità massima **15.5MPH**

 In Salita **20°**

The 250W brushless motor provides efficient and powerful assistance.




 **Batteria Portatile**

Consente una facile ricarica a casa, in ufficio o in viaggio.

Dual front suspension enhances ride comfort and stability.

## 9.2 Seat Comfort



**Doppia Sospensione Anteriore**

*Il sistema di sospensione anteriore migliorato aumenta l'area di contatto con il terreno, assorbendo efficacemente urti e sobbalzi.*

The wide and soft seat with spring suspension provides a comfortable ride.

## 10. WARRANTY AND SUPPORT

ONESPORT offers a 30-day unconditional return policy and a 365-day limited warranty covering manufacturing defects. For any issues or support, please contact ONESPORT customer service through your purchase platform or visit the official ONESPORT website for contact information.

For additional resources and product information, visit the ONESPORT Store on Amazon.